Project Development Phase
Model Performance Test

Date	10 November 2023
Team ID	593074
Project Name	AI powered Weapon Detection System
Maximum Marks	10 Marks

Model Performance Testing:

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Values	Screenshot
	Model Summary	-	Model summary (fused): 168 layers, 11125971 parameters, 0 gradients, 28.4 ... Class Images Instances Box(P R m ... all 732 815 0.413 0.363 0
	Accuracy	Training Accuracy - Validation Accuracy -	(training log screenshot, Epochs 42/50 – 50/50)

	Confidence Score (Only Yolo Projects)	Class Detected - Handgun, Knife Confidence Score - 0.7+	

Accuracy:

```
mAP50  mAP50-95): 100% 1/1 [00:07<00:00,  7.87s/it]
0.655       0.483
0.545       0.441
0.765       0.525
```

Model Summary:

```
Model summary (fused): 168 layers, 11125971 parameters, 0 gradients, 28.4 GFLOPs
             Class     Images  Instances      Box(P          R      mAP50  mAP50-95): 100% 46/46 [00:11<00:00,
               all        732        815      0.413      0.363      0.343      0.219
```

Confidence Score: